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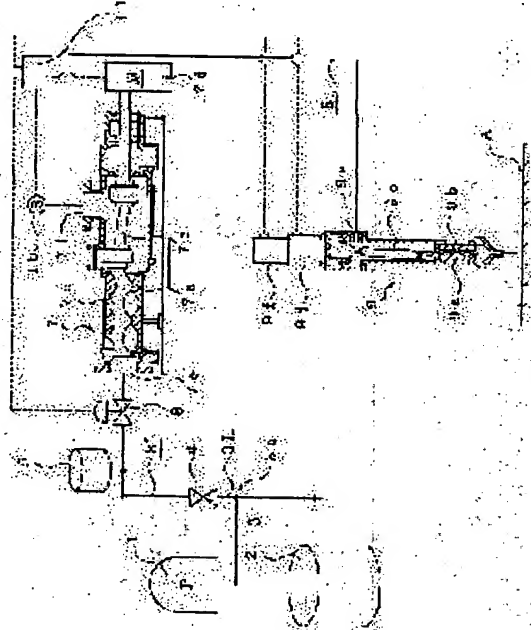
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(54) FIXED QUANTITY COATING AND FILLING SYSTEM FOR SEALING AGENT OR THE LIKE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a fixed quantity coating and filling system capable of applying precisely, surely and continuously by a fixed quantity without the pulsation in the applying on or filling in a work from a dispenser in the secondary side in a state that a primary supply line is kept at a high pressure.

SOLUTION: A pressure reducing valve 4, a stop valve 6 and a buffer pump 7 provided with a uniaxial eccentric screw pump are provided successively in this order in a supply line 3' between a supply line 3 and the dispenser and the operation of the buffer pump 7 and the opening and closing of the stop valve 6 are controlled based on the pressure of a secondary side supply line between the buffer pump 7 and the dispenser 9.



LEGAL STATUS

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- 1.This document has been translated by computer. So the translation may not reflect the original precisely.
- 2.**** shows the word which can not be translated.
- 3.In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

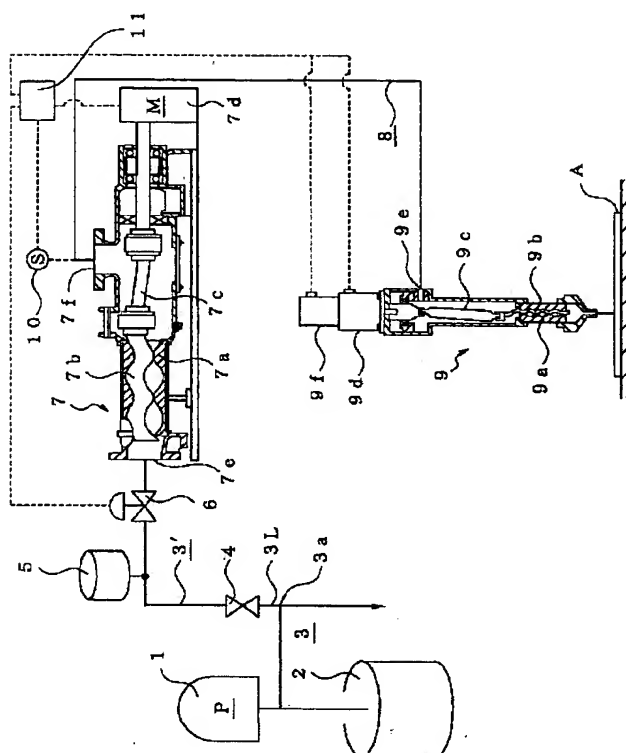
[Claim 1] Attract liquid, such as a sealing compound stored by the tank etc., using high pressure pumping, such as a plunger pump, and it is connected to the upstream supply line which carries out the regurgitation. In the system fixed-quantity-applied or fixed quantity filled up to a work through the dispenser equipped with the 1 shaft eccentricity screw pump of small capacity To the supply line between the aforementioned upstream supply line and the aforementioned dispenser A reducing valve, an opening-and-closing valve, and the buffer pump that consists of a 1 shaft eccentricity screw pump are interposed in this order. Fixed quantity application / restoration systems, such as a sealing compound characterized by controlling operation of this buffer pump and the switching operation of the aforementioned opening-and-closing valve based on the pressure in the secondary supply line between this buffer pump and the aforementioned dispenser.

[Claim 2] Fixed quantity application / restoration systems, such as a sealing compound according to claim 1 characterized by arranging a pressure sensor at the supply line from the aforementioned buffer pump to the aforementioned dispenser, stopping or reversing the aforementioned buffer pump if ***** by this pressure sensor exceeds the pressure set up beforehand, and controlling below by the setting pressure so that the aforementioned buffer pump rotates normally.

[Claim 3] Fixed quantity application / restoration systems, such as a sealing compound according to claim 1 or 2 characterized by interposing an accumulator in the supply line between the aforementioned reducing valve and the aforementioned opening-and-closing valve.

[Translation done.]

Drawing selection [Representative drawing]



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